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(21) International Application Number: PCT/FI98/00460 (22) International Filing Date: 29 May 1998 (29.05.98) (30) Priority Data: 972299 30 May 1997 (30.05.97) FI (71) Applicant (for all designated States except US): NOKIA MOBILE PHONES LTD. [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI). (72) Inventors; and (75) Inventors/Applicants (for US only): TOSKALA, Antti [FI/FI]; Itämerenkatu 8 A 2, FIN-00180 Helsinki (FI). HOLMA, Harri [FI/FI]; Itätuulenkuja 1 B 32, FIN-02100 Espoo (FI). HÄMÄLÄINEN, Seppo [FI/FI]; Saamimäenkuja 6 B 20, FIN-02760 Espoo (FI). (74) Agent: BERGGREN OY AB; P.O. Box 16, FIN-00101 Helsinki (FI).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published Without international search report and to be republished upon receipt of that report.	

(54) Title: MAKING MEASUREMENTS ON PARALLEL FREQUENCIES IN A RADIO COMMUNICATIONS DEVICE

(57) Abstract

A diversity receiver in a radio apparatus has at least two reception branches (12, 13; 40, 41) and a RAKE receiver (14) to combine signals received by the different reception branches as well as a measuring receiver (16) to make frequency specific measurements. The radio apparatus comprises a switch (15, 31) connected with at least one reception branch and having at least two states in the first of which the switch is arranged so as to direct a signal received by a reception branch to the RAKE receiver (14) and in the second of which the switch is arranged so as to direct a signal received by a reception branch to the measuring receiver (16). The radio apparatus makes measurements at other than the operating frequency without the reception at the operating frequency being interrupted. In a communications system the measurements may be associated with a handover, for example.

